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Antibodies to high mobility group proteins in systemic sclerosis
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Objective. To determine the prevalence of autoantibodies to high mobility group (HMG) proteins in systemic sclerosis (SSc). Methods. One hundred ninety-seven unselected sera from patients diagnosed as SSc (n = 180) or Raynaud's phenomenon (RP) (n = 17) were tested for HMG autoantibodies by ELISA and immunoblotting. Results. Seventy-one of the 180 (39.0%) SSc sera bound to HMG proteins in an ELISA: 56 (31%) to **HMG-1** and/or **HMG-2**; 29 (16%) to HMG-14/17. In the same assay 7 of 17 RP sera (41%) bound to HMG proteins: 4 (23%) to **HMG-1** and/or **HMG-2**, and 5 (29%) to HMG-14/17. The specificity of HMG binding was confirmed by immunoblotting. Conclusion. Antibodies to HMG proteins, particularly to **HMG-1** and **HMG-2** are found in about 1/3 of SSc sera. Since **HMG-1** and **HMG-2** have a role in transcription, these observations further implicate transcriptional complexes as targets of autoantibodies in scleroderma. This is the first published report of HMG autoantibodies in scleroderma.

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21, 28, 31

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| S1 | 3268 | HMG(W) (1 OR 2) OR HIGH(W)MOBILITY(W) GROUP(W) PROTEIN |
| S2 | 183669 | AUTOIMMUNE OR AUTOIMMUNITY |
| S3 | 29 | S1 AND S2 |
| S4 | 20 | RD (unique items) |
| S5 | 0 | S1 AND KIT |
| ? | | |